100th Congress
1st Session

COMMITTEE PRINT

S. PRT.
100-55

LIST OF AIR POLLUTANTS

SUBJECT TO THE PROVISIONS OF

SECTION 112 OF THE CLEAN AIR ACT

NOVEMBER, 1987

Printed for the use of the
Senate Committee on Environment and Public Works

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON : 1987

78-676

For sale by the Superintendent of Documents, Congressional Sales Office
U.S. Government Printing Office, Washington, DC 20402

S322-8

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This list may be revised from time to time by the Administrator of the Environmental Protection Agency consistent with the provisions of the Clean Air Act.

PART A—AIR POLLUTANTS SUBJECT TO SECTION 112(b) OF THE CLEAN AIR ACT

CAS number	Substance
75-07-0	Acetaldehyde
60-35-5	Acetamide
67-64-1	Acetone
75-05-8	Acetonitrile
53-96-3	2-Acetylaminofluorene (N-9H-fluoren-2-YL-acetamide)
107-02-8	Acrolein
79-06-1	Acrylamide
79-10-7	Acrylic acid
107-13-1	Acrylonitrile
309-00-2	Aldrin
107-05-1	Allyl chloride
7429-90-5	Aluminum (fume or dust)
92-67-1	4-Aminobiphenyl
7664-41-7	Ammonia
62-53-3	Aniline
90-04-0	o-Anisidine
104-94-9	P-Anisidine
7440-36-0	Antimony (and compounds)
7440-38-2	Arsenic (and compounds)
1332-21-4	Asbestos (friable)
492-80-8	Auramine
7440-39-3	Barium (and compounds)
71-43-2	Benzene
92-87-5	Benzidine
50-32-8	Benzo[a]pyrene
98-07-7	Benzoic trichloride (Benzotrichloride)
94-36-0	Benzoyl peroxide
100-44-7	Benzyl chloride
7440-41-7	Berryllium (and compounds)
92-52-4	Biphenyl (Diphenyl)
111-44-4	Bis (2-chloroethyl) ether (2,2'-Dichloroethyl ether)
75-25-2	Bromoform (Tribromomethane)
74-83-9	Bromomethane (Methyl bromide)
106-99-0	1,3-Butadiene
141-32-2	Butyl acrylate
71-36-3	n-Butyl alcohol (1-Butanol)
78-92-2	sec-Butyl alcohol
85-68-7	Butyl benzyl phthalate
123-72-8	Butyraldehyde
7440-43-9	Cadmium (and compounds)
156-62-7	Calcium cyanamide
133-06-2	Captan
63-25-2	Carbaryl
75-15-0	Carbon disulfide
56-23-5	Carbon tetrachloride
120-80-9	Catechol (Pyrocatechol)
133-90-4	Chloramben
57-74-9	Chlordane
76-13-1	Chlorinated fluorocarbon (Freon 113)
7782-50-5	Chlorine
10049-04-4	Chlorine dioxide
79-11-8	Chloroacetic acid (Assistacetic acid)
532-27-4	2-Chloroaceto phenone (a-Chloroacetophenone)
108-90-7	Chlorobenzene
510-15-6	Chlorobenzilate (Ethyl 4-4'-dichlorobenzilate
75-00-3	Chloroethane (Ethyl chloride)
67-66-3	Chloroform
74-87-3	Chloromethane (Methyl chloride)
542-88-1	Chloromethyl ether
107-30-2	Chloromethyl methyl ether
126-99-8	Chloroprene
7440-47-3	Chromium (and compounds)
7440-48-4	Cobalt (and compounds)
7440-50-8	Copper (and compounds)
1319-77-3	Cresol (mixed isomers)
108-39-4	m-Cresol
95-48-7	o-Cresol (o-Cresyl acid)
106-44-5	p-Cresol
98-82-8	Cumene (1-Methylbenzene)
57-12-5	Cynanide compounds
110-82-7	Cyclohexane (Hexahydrobenzene)
94-75-7	2,4-D ((2,4-Dichlorophenoxy)Acetic acid)
72-55-9	DDE
25376-45-8	Diaminotoluene (mixed isomers)
95-80-7	2,4-Diaminotoluene
119-90-4	o-Dianisidine (3,3'-Dimethoxybenzidene)
334-88-3	Diazomethane
132-64-9	Dibenzofuran
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)
106-93-4	1,2-Dibromoethane (Ethylene dibromide)
84-74-2	Dibutyl phthalate
25321-22-6	Dichlorobenzene (mixed isomers)
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)
91-94-1	3,3'-Dichlorobenzidine
75-71-8	Dichlorofluoromethane
75-34-3	1,1-Dichloroethane
107-06-2	1,2-Dichloroethane (Ethylene dichloride)
540-59-0	1,2-Dichloroethylene (Acetylene dichloride)
75-09-2	Dichloromethane (Methylene chloride)
78-87-5	1,2-Dichloropropane
542-75-6	1,3-Dichloropropylene (1,3-Dichloropropene)

PART A—AIR POLLUTANTS SUBJECT TO SECTION 112(b) OF THE CLEAN AIR ACT—Continued

CAS number	Substance
62-73-7	Dichlorvos
115-32-2	Dicofol (Kelthane)
60-57-1	Dieldrin
111-42-2	Diethanolamine
117-81-7	Di(2-Ethylhexyl)phthalate (DEHP)
84-66-2	Diethyl phthlate (1,2-Diethyl ester 1,2-benzene dicarboxy)
64-67-5	Diethyl sulfate
60-11-7	4-Dimethylaminoazobenzene (p-Dimethylaminoazobenzene)
121-69-7	N,N-Dimethylaniline
119-93-7	3,3'-Dimethylbenzidine (o-Tolidine)
79-44-7	Dimethylcarbamyl chloride
57-14-7	1,1-Dimethyl hydrazine (Dimethylhydrazine)
131-11-3	Dimethyl phthalate
77-78-1	Dimethyl sulfate
534-52-1	4,6-Dinitro-o-cresol (Dinitrocresol)
51-28-5	2,4-Dinitrophenol
121-14-2	2,4-Dinitrotoluene (1-Methyl-2, 4-Dinitrobenzene)
123-91-1	1,4-Dioxane (1,4-Diethylene dioxide)
122-66-7	1,2-Diphenyl hydrazine (Hydrazobenzene)
106-89-8	Epichlorohydrin
110-80-5	2-Ethoxyethanol
140-88-5	Ethyl acrylate
100-41-4	Ethyl benzene
74-85-1	Ethylene
107-21-1	Ethylene glycol
151-56-4	Ethyleneimine (Azindine)
75-21-8	Ethylene oxide
96-45-7	Ethylene thiourea
50-00-0	Formaldehyde
76-44-8	Heptachlor
118-74-1	Hexachlorobenzene
87-68-3	Hexachloro-1,3-butadiene
77-47-4	Hexachlorocyclopentadiene
67-72-1	Hexachloroethane
1335-87-1	Hexachloronaphthalene
680-31-9	Hexamethylphosphoramide
302-01-2	Hydrazine
7647-01-1	Hydrochloric acid (Hydrogen chloride (gas only))
74-90-8	Hydrogen cyanide (Hydrocyanic acid)
7664-39-3	Hydrogen fluoride
123-31-9	Hydroquinone
78-59-1	Isophorone
67-63-0	Isopropyl alcohol (Mfg.-strong acid processes)
7439-92-1	Lead (and compounds)
58-89-9	Lindane (Hexachlorocyclohexane)
108-31-6	Maleic acid anhydride (2,5-Furandione)
7439-96-5	Manganese (and compounds)
51-75-2	Mechlorethamine (Nitrogen mustard)
108-78-1	Melamine
7439-97-6	Mercury (and compounds)
67-56-1	Methanol
72-43-5	Methoxychlor (1,1,1-Trichloro-2,2-Bis (P-Methoxyphenyl) ethyl)
109-86-4	2-Methoxyethanol (Methyl cellosolve)
96-33-3	Methyl acrylate
101-14-4	4,4'-Methylene bis(2-Chloroaniline) (MOCA)
101-68-8	Methylene bis(Phenylisocyanate) (MBI)
101-77-9	4,4'-Methylene dianiline (p,p'-diaminodiphenylmethane)
78-93-3	Methyl ethyl ketone (MEK) (2-Butanone)
60-34-4	Methyl hydrazine
74-88-4	Methyl iodide (Iodornethane)
108-10-1	Methyl isobutyl ketone (MIBK) (Isopropylacetone) (Hexone)
624-83-9	Methyl isocyanate
80-62-6	Methyl methacrylate
91-20-3	Naphthalene
134-32-7	alpha-Naphthylamine
91-59-8	beta-Naphthylamine (2-Naphthylamine)
7440-02-0	Nickel (and compounds)
7697-37-2	Nitric acid
98-95-3	Nitrobenzene
92-93-3	4-Nitrobiphenyl
1836-75-5	Nitrofen
55-63-0	Nitroglycerin
100-02-7	4-Nitrophenol
79-46-9	2-Nitropropane
62-75-9	N-Nitrosodimethylamine
684-93-5	N-Nitroso-N-methylurea (N-methyl-N-nitrosocarbamide)
59-89-2	N-Nitrosomorpholine
2234-13-1	Octachloronaphthalene
20816-12-0	Osmium tetroxide
56-38-2	Parathion
87-86-5	Pentachlorophenol (PCP)
108-95-2	Phenol
106-50-3	p-Phenylenediamine
75-44-5	Phosgene
7664-38-2	Phosphoric acid
7723-14-0	Phosphorus (yellow or white)
85-44-9	Phthalic anhydride (1,2 Benzene dicarboxylac acid anhydride)
88-89-1	Picric acid
1336-36-3	Polychlorinated biphenyls (PCBs)
1120-71-4	Propane sultone (2,2-dioxide 1,2-oxathiolane)
57-57-8	beta-Propiolactone
114-26-1	Propoxur
75-55-8	Propyleneimine
75-56-9	Propylene oxide
110-86-1	Pyridine
91-22-5	Quinoline
106-51-4	Quinone (p-Benzoquinone)
82-68-8	Quinotozene (Pentachloronitrobenzene)
7782-49-2	Selenium
7440-22-4	Silver (and compounds)
1310-73-2	Sodium hydroxide (solution)
100-42-5	Styrene (monomer)
96-09-3	Styrene oxide
7664-93-9	Sulfuric acid
100-21-0	Terephthalic acid
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD)
79-34-5	1,1,2,2-Tetrachloroethane
127-18-4	Tetrachloroethylene (Perchloroethylene)
7440-28-0	Thallium (and compounds)
13463-67-7	Titanium dioxide

PART A—AIR POLLUTANTS SUBJECT TO SECTION 112(b) OF THE CLEAN AIR ACT—Continued

CAS number	Substance
108-88-3	Toluene (Methyl benzene)
584-84-9	Toluene-2,4-Diisocyanate
95-53-4	o-Toluidine
8001-35-2	Toxaphene (Camphechlor)
120-82-1	1,2,4-Trichlorobenzene
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)
79-00-5	1,1,2-Trichloroethane
79-01-6	Trichloroethylene (Trichloroethene)
95-95-4	2,4,5-Trichlorophenol
88-06-2	2,4,6-Trichlorophenol
1582-09-8	Trifluralin
51-79-6	Urethane (monomer) (Ethyl ester carbamic acid)
7440-62-2	Vanadium (fume or dust)
108-05-4	Vinyl acetate
593-60-2	Vinyl bromide
75-01-4	Vinyl chloride (monomer) (Chloroethane)
75-35-4	Vinylidine chloride (1,1-Dichloroethylene)
1330-20-7	Xylene (mixed isomers) (Dimethyl benzene)
108-38-3	m-Xylene (m-Dimethyl benzene)
95-47-6	o-Xylene (o-Dimethyl benzene)
106-42-3	p-Xylene (p-Dimethyl benzene)
7440-66-6	Zinc (fume or dust) (and compounds)

PART B—SUBSTANCES SUBJECT TO SECTION 112(g) OF THE CLEAN AIR ACT

Substance	CAS number	Threshold quantity in pounds
Acrolein	107-02-8	500
Acrylonitrile	107-13-1	10,000
Allylamine	107-11-9	500
Ammonia (NH_3)	7664-41-7	500
Arsine	7784-42-1	100
bis (chloromethyl) ether	542-88-1	100
Boron trichloride	10294-34-5	500
Boron trifluoride	7637-07-2	500
Bromine	7726-95-6	500
Chlorine	7782-50-5	100
Chloromethyl methyl ether	107-30-2	100
Crotonaldehyde-E	123-73-9	1,000
Diborane	19287-45-7	100
1,1-Dimethylhydrazine	57-14-7	1,000
Epoxypropane	75-56-9	10,000
Ethylene Oxide	75-21-8	1,000
Ethylenimine	151-56-4	500
Fluorine	7782-41-4	500
Formaldehyde (gas)	50-00-0	500
Furan	110-00-9	500
Hydrogen chloride	7647-01-0	500
Hyrrogen cyanide	74-90-8	100
Hydrogen fluroride	7764-39-3	100
Hydrogen selenide	7783-07-5	10
Hydrogen sulfide	7783-06-4	500
Methacrylonitrile	126-98-7	500
Methy bromide	74-83-9	1,000
Methyl chloroformate	79-22-1	500
Methyl hydrazine	60-34-4	500
Methyl isocyanate	624-83-9	500
Methyl mercaptan	74-93-1	500
Methyl vinyle ketone	78-94-4	10
Nickel carbonyl	13463-39-9	1
Nitric Acid (94% by weight or more HNO_3)	7697-37-2	1,000
Nitrogen Dioxide (10% by volume or more NO_2)	10102-44-0	100
Nitric Oxide (10% by volume or more NO_2)	10102-43-9	100
Osmium tetroxide	20816-12-0	10,000
Ozone	10028-15-6	100
Pentaborane	19624-22-7	500
Perchloromethylmercaptan	594-42-3	500
Phosgene	75-44-5	10
Phosphine	7803-51-2	500
Phosphorus trichloride	7719-12-2	1,000
Phosphoryl chloride	10025-87-3	500
Sulfur dioxide (10% by volume or more SO_2)	7746-09-5	500
Sulfur tetrafluoride	7783-60-0	100
Sulfur trioxide	7746-11-9	100
Tellurium hexafluroride	7783-80-4	100
Tetramethyl lead	75-74-1	100
Tetranitromethane	509-14-8	500
Titaium tetrachloride	7550-45-0	100
Toluene 2,4,diisocyante	584-84-9	500
Toluene 2,6,diisocyante	91-08-7	100
Trifluorochlorethylene	79-38-9	7,300
Trimethylchlorsilane	75-77-4	1,000